

**ABSTRACT**

A method of cleaning the neck of a funnel of a CRT during the manufacture thereof. The method comprises: inserting a drain tube within the neck, wherein a gap exists between the drain tube and the neck; directing a fluid through the gap; and draining the fluid that was directed through the gap through the drain tube, whereby the fluid removes material from the neck that was applied during a prior coating process and any dirt. The drain tube is part of a cleaning apparatus that further comprises a housing and a labyrinth flow controller positioned within the housing adjacent to the drain tube forming a laminar flow section whereby fluid is directed through the housing and into the tube.